



SURGERY (SR)

TECHNICAL MANUAL

Version 3.0
July 1993

(Revised November 2002)

Revision History

Any changes subsequent to the initial release of this manual are listed below. Users should update the manual with the pages listed under the Revised Pages column. Pages listed under this column in parentheses are unchanged, but included for two-sided printing.

Date	Revised Pages	Patch Number	Description
11/02	Title Page, i, (ii) 13, (14) (55), 56 (119), 120 (185), 186	SR*3*109	<ul style="list-style-type: none"> - Updated Revision Date and Revision History. - Changed the field name DEFAULT BLOOD REQUEST to DEFAULT BLOOD COMPONENT. - Changed the definition of the field REQ BLOOD KIND from a pointer to the BLOOD PRODUCT file (#66) to a free text field. - Deleted DEFAULT BLOOD REQUEST field, and replaced with DEFAULT BLOOD COMPONENT field. - Added callable routine VBECA5A to the Calls Made by Surgery section.
07/93			Original Release of Technical Manual.

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Implementation and Maintenance

Installation

For installation of the Surgery V. 3.0 software package, please refer to the Installation Guide.

Site Specific Parameters

Before the Surgery package can be used, some initial information must be set up as follows:

1. NEW PERSON File

All personnel (surgeons, anesthesiologists, nurses, etc.) must be properly defined in the NEW PERSON file (#200).

2. Security Keys

Security keys have various uses in the Surgery package and must be assigned as needed before using the package. The security keys used by the Surgery package are described in the Security Key section of this manual.

3. Surgery Site Parameters

There are a number of fields contained in the SURGERY SITE PARAMETER file (#133) which can be updated locally. These fields are described below. The Surgery Package Management Menu contains an option to facilitate editing.

MAIL CODE FOR ANESTHESIA: This represents the mail code for the Anesthesiology Service at your facility. The information entered in this field is used by the software to assign the anesthetist category for the principal anesthetist on a case.

CANCEL IVS: If set equal to YES, all active IV orders will be canceled when a surgical case begins.

DEFAULT BLOOD COMPONENT: If your facility uses a certain type of blood component for most surgical cases, you can enter that blood component in this field. The component will show up as a default when requesting blood.

CHIEF OF SURGERY: This is the name of the Chief of Surgery. The name will appear on the schedule of operations in the format entered here.

LOCK AFTER HOW MANY DAYS: This field determines how many days a surgical case remains unlocked after completion. Editing information related to a surgical case is prohibited after a case has been locked.

REQUEST DEADLINE: This is the time of day that requests are no longer accepted for the next available day. This field is used along with the Request Cutoff fields explained in this section.

SCHEDULE CLOSE TIME: This is the time of day that the schedule will be closed for the upcoming day. It will be used to determine whether canceled cases will appear on the cancellation report. Cases canceled before this time will not be counted as cancellations and will be deleted from the system. The **SCHEDULE CLOSE TIME** cannot be later than 3:00 pm.

NURSE INTRAOP REPORT: This field determines which format is used when printing the Nurse Intraoperative Report. One format prints all field titles, even when there is no data associated with the field. The other only prints those field titles that have information entered.

OPERATION REPORT FORMAT: This field determines which format is used when printing the Operation Report. One format prints all field titles, even when there is no data associated with the field. The other only prints those fields that have information entered.

RISK ASSESSMENT IN USE (Y/N): This field is no longer in use, but was once used to determine whether your facility was involved in the VA Surgical Risk Study.

ASK FOR RISK PREOP INFO: This field is used to determine if the user should be prompted for risk assessment preoperative information when entering a new case and when updating a requested or scheduled case.

UPDATES TO PCE: This field indicates the site's preference for PCE updating. If this field contains O, PCE will be updated with outpatient case information only. If this field contains A, PCE will be updated information from all cases, both inpatient and outpatient. If this field contains N or is null, no PCE updating will occur.

PCE UPDATE ACTIVATION DATE: This is the earliest date of operation for which surgical cases may be filed with PCE. Surgical cases or non-OR

- .986 FRESHLY SHAVED SET
This indicates whether the patient's facial hair was freshly shaved prior to being transported to the operating room.
- .987 CLEAN DRESSING SET
This indicates if all appropriate wounds have had clean dressings applied prior to transport to the operating room.
- .988 CLEAN HOSP CLOTH SET
This indicates whether the patient has clean hospital clothing prior to being transported to the operating room.
- .989 LEVIN TUBE/CATH SET
This indicates whether a Levin tube/catheter is present prior to transport to the operating room.
- .991 U/A IN 48 HRS SET
This indicates whether the patient has had a urinalysis within 48 hours prior to being transported to the operating room.
- .9911 *CLERK CHN REC FOR MAJ SURG NUMERIC
This field has been marked for deletion. It should not be used.
- .992 CBC IN 48 HRS SET
This indicates whether the patient has had a CBC within 48 hours prior to being transported to the operating room.
- .993 BLOOD TYPE&XMATCH SET
This indicates whether the patient has had blood typing and crossmatching done.
- .994 *BLEEDING & PTT TIME IN 48 HRS SET
This indicates whether the patient has had bleed and PTT time within 48 hours prior to being transported to the operating room.
- This field has been marked for deletion in the next version of the Surgery package.
- .995 *BUN IN 7 DAYS SET
This indicates whether the patient has had a BUN within 7 days prior to being transported to the operating room.
- This field has been marked for deletion in the next version of the Surgery package.

- .996 *BLOOD SUGAR IN 7 DAYS SET
This field determines whether the patient has had a blood sugar test within the last 7 days. This field has been marked for deletion in the next release of the Surgery software.
- .997 *SEROLOGY REPORT SET
This field has been marked for deletion. It should not be used.
- .998 CHEST XRAY IN 7 DAYS SET
This field determines whether the patient has had a chest x-ray within the last seven days.
- .999 EKG IN 24 HRS SET
This field determines whether the patient has had an EKG within the last 24 hours.
- 1.01 REQ ANESTHESIA TECHNIQUE SET
This is the surgeon's choice of anesthesia for the proposed operative procedure. This information will appear on the Schedule of Operations.
- 1.02 REQ FROZ SECT SET
This indicates whether laboratory support is needed to perform frozen section diagnostic tests during the operative procedure.
- 1.03 REQ PREOP X-RAY FREE TEXT
These are the types of preop x-ray films and reports required for delivery to the operating room prior to the surgical procedure.
- 1.035 INTRAOPERATIVE X-RAYS SET
This indicates if radiology personnel is needed in the operating room for intraoperative radiologic procedures.
- 1.04 REQ PHOTO SET
This indicates whether Medical Media personnel need to be present in the operating room to obtain photographs during the operative procedure.
- 1.05 REQ BLOOD KIND FREE TEXT
This is information related to the blood product required during this operative procedure.
- .01 REQ BLOOD KIND FREE TEXT

This file contains all restraints and positioning aids to be used in the operating room. The file is pointed to by the field RESTR & POSITION AIDS in the Surgery file. The file is pre-supplied with entries; however, each site may want to make additions to it.

- | | | |
|-----|---|-----------|
| .01 | NAME | FREE TEXT |
| | This is the name of the restraint or positioning aid. | |
| 10 | INACTIVE? | SET |
| | Enter "YES" to inactivate this file entry and to prevent it selection by Surgery users. | |

SURGICAL DELAY (132.4)

This file will contain causes for delays of surgical procedures. Sites may make additional entries to this file, but should not alter the entries provided. It is pointed to by the field DELAY CAUSE in the Surgery file.

- | | | |
|-----|---|-----------|
| .01 | CAUSE | FREE TEXT |
| | This is the cause of the surgical delay. | |
| 10 | INACTIVE? | SET |
| | Enter "YES" to make this entry inactive and to prevent its selection and use by users of the Surgery Package. | |

ANESTHESIA SUPERVISOR CODES (132.95)

This file is pointed to by the ANES SUPERVISE CODE in the Surgery file. It contains the codes representing the highest level of supervision for the anesthesiology supervisor. Sites should NOT make additional entries to this file.

- | | | |
|-----|---|-----------------|
| .01 | NAME | FREE TEXT |
| | This is the name of the Anesthesia Supervisor Code. | |
| 1 | CODE | FREE TEXT |
| | This is the code corresponding to the principal anesthetist's level of supervision. | |
| 2 | DESCRIPTION | WORD-PROCESSING |
| | This is a description of the anesthesia supervisor code. | |

SURGERY SITE PARAMETERS (133)

The Surgery Site Parameter file contains elements to the Surgery package that may be specific to each individual site.

- | | | |
|-----|---|-----------|
| .01 | SITE | POINTER |
| | This is the institution responsible for the Surgery service. If the facility is multi-divisional, there will be more than one entry in this file. | |
| 3 | MAIL CODE FOR ANESTHESIA | FREE TEXT |
| | This is the mail code for the Anesthesia service. It will be used to flag Anesthesiologists on the Anesthesia AMIS. | |
| 6 | CANCEL IVS | SET |
| | This indicates whether all IV orders will be canceled upon entry into the operating room. | |
| 8 | DEFAULT BLOOD COMPONENT | FREE TEXT |
| | This field contains the default blood type used during surgery. If a certain type is used frequently, this field should be completed. | |
| 9 | CHIEF'S NAME | FREE TEXT |
| | This is the name of the Chief of Surgery. The name will be displayed on management reports. | |
| 10 | LOCK AFTER HOW MANY DAYS | NUMERIC |
| | This is the number of days a case can be edited, after completion, without needing the Chief of Surgery's approval. | |
| 11 | REQUEST DEADLINE | FREE TEXT |
| | This field is the time on the request cutoff day after which no requests can be made for a date. Your answer must be in a military time format with leading zeros. For example, a time of 7:00 AM MUST be entered in the format 07:00. The time 7:00 PM would be entered 19:00. | |
| 12 | OR SCHEDULE DEVICES | FREE TEXT |
| | This contains all devices which will be used when the Schedule of Operations is printed. | |
| .01 | OR SCHEDULE DEVICES | FREE TEXT |
| | This is the name of the printer used to automatically print the Schedule of Operations. | |

External Relations

Packages Needed to Run Surgery

Surgery Version 3.0 relies (minimum) on the following external packages. This software is not included in this package and must be installed before this package is completely functional.

<u>Package</u>	<u>Minimum version needed</u>
Kernel	8.0
VA FileMan	21.0
MailMan	7.1
PIMS	5.3
Laboratory	5.2
Inpatient Medications	4.5
Pharmacy Data Management	1.0
Patient Care Encounter	1.0
Health Level Seven	1.5
Order Entry/Results Reporting	2.5

Calls Made by Surgery

Surgery Version 3.0 makes calls to the following external routines:

<u>Routine</u>	<u>Entry Points Used</u>
%DT	^%DT, DD
%DTC	^%DTC, C, DW, H, NOW
%RCR	%XY
%ZIS	^%ZIS
%ZISC	^%ZISC
%ZISS	ENDR, KILL
%ZOSV	\$\$EC, T0, T1
%ZTLOAD	^%ZTLOAD, \$\$\$
AUPNVSIT	ADD, SUB
DDIOL	EN
DGPMDDCF	^ DGPMDDCF
DIC	^DIC, LIST
DICD	WAIT
DICN	FILE
DICR	^DICR

DICRW	DT
DIE	^DIE, CHK, FILE, HELP, UPDATE, WP
DIK	^DIK, EN1, ENALL, IXALL
DIP	EN1
DIQ	\$\$GET1, D, EN, GETS, Y
DIQ1	EN
DIR	^DIR
DIU	DI
DIU2	EN
DIWP	^DIWP
GMRADPT	^GMRADPT
GMRVUTL	EN6
HLFNC	\$\$FMDATE, \$\$FMNAME, \$\$HLDATE
HLFNC2	INIT
HLMA	GENERATE
HLMA1	GENACK
HLTRANS	EN, EN1, INIT, KILL
ICPTAPIU	COPY
ICPTCOD	\$\$CPT, \$\$CPTD
ICPTMOD	\$\$MOD, \$\$MODP
LRBLB	BAR
LRBLBU	^LRBLBU
LRRP2	^LRRP2
ORX	FILE, RETURN, ST
PSGIU	END, ENS
PSIVACT	DCOR
PSSGIU	END, ENS
PXAPI	\$\$DATA2PCE, \$\$DELVFILE
SDCO21	CL
VADPT	^VADPT, ADD, DEM, ELIG, IN5, INP, KVA, OPD, SVC
VAFHLPID	\$\$EN
VBECA5A	ITRAN, LIST66, OUT66
XLFDT	\$\$FMADD
XLFSTR	\$\$LJ
XMA1C	REMSMSG
XMD	^XMD
XPDUTL	\$\$VERSION
XQALERT	DELETEA, SETUP
XUPARAM	\$\$KSP